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WIC Training Call 8.29.12

- World Health Organization (WHO) Growth Charts & Standards
- New & Revised Nutrition Risk Criteria
- Questions & Answers


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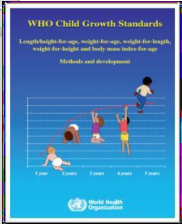
WHO Growth Standards



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Why New Growth Charts?



- Breastfed infants as the model for normal growth & development
- Help identify stunted and overweight/obese children
- Standard growth patterns over time

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Growth Standards	Growth References
<ul style="list-style-type: none">Describe how healthy infants and young children should go under optimal environmental and health conditions	<ul style="list-style-type: none">Describe growth of infants and children in the United States

differences in conceptual approach to describing growth

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World Health Organization

- Are prescriptive
- International standard for all infants
- Include healthy infants who were well-fed according to international recommendations
- Recommended for use in the US for Infants & Children 0 – 2 years of age

- The WHO standards are based on a high-quality study designed explicitly for creating growth charts.
- The WHO standards provide a better description of physiological growth in infancy.**

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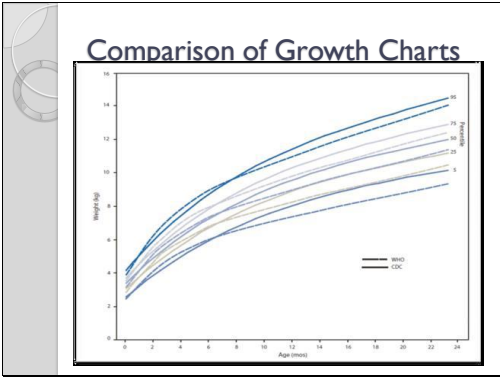


CDC

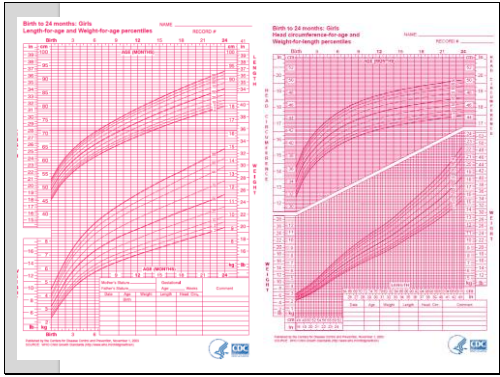
- Are descriptive
- Indicate how children grew in the US
- Do not imply that the pattern of growth they represent is healthy

- The CDC growth charts can be used continuously from ages 2-19. of age.
- For children 2-5 years, the methods used to create the CDC growth charts and the WHO growth charts are similar.

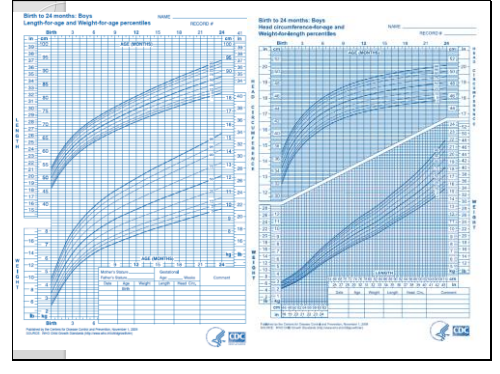
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Examples of % Differences

Date	Age	Weight (pounds)	WHO Percentile	CDC Percentile
6/15/2009	Birth	7.5	54	50
6/18/2009	3 days	7.1	28	23
6/29/2009	2 weeks	7.4	16	15
7/15/2009	1 month	9.5	40	42
9/15/2009	3 months	12.75	42	49

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Transition from WHO to CDC

- Growth and Risk Considerations
- Begin using October 1st

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Using the WIC System

For children age 2 and older, the WIC System will automatically calculate the following percentile rank based on the measurements entered.

- WIC Computer system calculated percentiles should be used in determination of nutritional risk for children 2 and older.

- Height-for-age
- BMI-for-age

WIC CERTIFICATE

AGCY: 258/BB CLINIC: BB/BB ID: 485211 ACT

CLIENT LAST NAME:

DATE OF MEDICAL AGE

ST CERT. DATE YR MO HT WT

Wt/Age: Ht/Age: BMI/Age:

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- The WIC system percentiles will not be accurate to use for children under 2
- Based on CDC 2000 Growth Charts
 - Age of WIC system and the instability to support complex programming changes, calculations for these fields cannot be changed.

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**DON'T USE system %
for Infants & CHI**

Do Not Use

- Weight-for-length
- Height-for-age

WIC CERTIFICATION

AGCY: 268/00 CLINIC: 08/00 ID: 405311 ACT: _____
CLIENT LAST NAME: _____

ST	DATE OF CERT.	MEDICAL DATE	AGE YR MO	HT	WT
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2	11/11/00	11/11/00	11/11	5'0"	110
3	11/11/00	11/11/00	11/11	5'0"	110
4	11/11/00	11/11/00	11/11	5'0"	110
5	11/11/00	11/11/00	11/11	5'0"	110
6	11/11/00	11/11/00	11/11	5'0"	110
7	11/11/00	11/11/00	11/11	5'0"	110
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63	11/11/00	11/11/00	11/11	5'0"	110
64	11/11/0				

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Paper Plotting

- Nutritional Risk Criteria for infants & children under 2 will be determined by using the percentiles obtained from manually plotting length-for-age, weight-for-age & weight-for-length on growth charts for birth to 24 months of age, based on WHO growth standards.

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Children 12 – 23 months of age WHO Growth Charts	Children 2-5 years of age CDC Growth Charts
Short Stature ≤ 2.3 rd percentile length-for-age as plotted on WHO growth charts	Short Stature: ≤ 5 th percentile BMI-for-age
At Risk of Short Stature: >2.3 rd and ≤ 5 th percentile length-for-age as plotted on WHO growth charts	At Risk of Short Stature: >5 th and ≤ 10 th percentile BMI-for-age


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Children 12 – 23 months of age WHO Growth Charts	Children 2-5 years of age CDC Growth Charts
Underweight: ≤ 2.3 rd percentile weight-for-length as plotted on WHO growth standards	Underweight: ≤ 5 th percentile BMI-for-age
At Risk of Underweight: >2.3 rd and ≤ 5 th percentile weight-for-length as plotted on WHO growth standards	At Risk of Underweight: >5 th and ≤ 10 th percentile BMI-for-age

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INFANST & CHI Birth – 23 months of age WHO growth charts	CH2 & CH3 2 – 5 years of age CDC growth charts
High Weight-for-length - IW ≥ 97.7 th percentile weight-for-length	Overweight - IR ≥ 85 th and < 95 th percentile BMI-for-age
	Obese - IQ ≥ 95 th percentile BMI -for-age

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Revisions to Other Nutrition Related Risk Conditions

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Questions???

- More information
- CDC Growth Chart Module
- Julieann Boyle
 - 402-471-2781
